



SEQUENCE LISTING

<110> Tchaga, Grigory S.
Jokhadze, George

<120> Metal Ion Affinity Tags and Methods for
Using the Same

<130> CLON-056CIP

<140> US 09/858,332

<141> 2001-05-15

<150> 09/404,017

<151> 1999-09-23

<150> 60/101,867

<151> 1998-09-25

<160> 23

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<211> 16

<212> PRT

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<220>

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<220>
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<210> 8
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 <223> an immunological tag

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<210> 11
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 <220>
 <223> an immunological tag

 <400> 11
 Cys Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu
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<210> 12
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 <212> PRT
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<220>
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<400> 12
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<210> 13
 <211> 3430
 <212> DNA
 <213> Artificial Sequence

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 <223> DNA sequence of vector containing cDNA of
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 ctgaagatca gttgggtgca cgagtgggtt acatcgaaact ggatctcaac agcggtaaga 360
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 gagccgggtga gcgtgggtct cgcggtatca ttgcagcaact ggggccagat ggtaagccct 960
 cccgtatcgt agttatctac acgacgggga gtcaggcaac tatggatgaa cgaaatagac 1020
 agatcgcgtga gatagggtgcc tcaactgatta agcattggta actgtcagac caagthttact 1080

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gacacccgcc aacacccgct gacgcgccct gacgggcttg tctgctcccg gcacccgctt 3360
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<210> 14

<211> 279

<212> PRT

<213> Artificial Sequence

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<223> protein sequence of vector containing cDNA of
recombinant enterokinase

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Leu	Val	Ser	Ala	Ala	His	Cys	Val	Tyr	Gly	Arg	Asn	Met	Glu	Pro	Ser	
65					70					75					80	
Lys	Trp	Lys	Ala	Val	Leu	Gly	Leu	His	Met	Ala	Ser	Asn	Leu	Thr	Ser	
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Pro	Gln	Ile	Glu	Thr	Arg	Leu	Ile	Asp	Gln	Ile	Val	Ile	Asn	Pro	His	
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Glu	Trp	Ile	Gln	Ser	Phe	Leu	His	Glu	Leu	Val	Ile	Ser	Glu	Phe	Thr	
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<211> 12

<212> PRT

<213> Artificial Sequence

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<223> an amino acid sequence embodiment of the affinity
purification site

<400> 15

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1

5

10

<210> 16

<211> 48

<212> DNA

<213> Artificial Sequence

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 purification site

<400> 17
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<210> 18
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 <212> DNA
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<210> 19
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 <212> DNA
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<210> 20
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<210> 21
<211> 9
<212> PRT
<213> Human

<220>
<221> VARIANT
<222> 9
<223> Xaa at position 9 is an amino acid with an
aliphatic or amide side chain.

<221> VARIANT
<222> 2
<223> Xaa at position 2 is an amino acid with an
aliphatic or amide side chain

<221> VARIANT
<222> 3
<223> Xaa at position 3 is an amino acid with an
aliphatic or amide side chain.

<221> VARIANT
<222> 5
<223> Xaa at position 5 is an amino acid with a basic
side chain (except HIS) or an acidic side chain.

<221> VARIANT
<222> 6
<223> Xaa at position 6 is an amino acid with a basic
side chain (except HIS) or an acidic side chain.

<221> VARIANT
<222> 7
<223> Xaa at position 7 is an amino acid with a basic
side chain (except HIS) or an acidic side chain.

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1 5

<210> 22
<211> 6
<212> PRT
<213> human

<400> 22
His Arg His Arg His Arg
1 5

<210> 23
<211> 9

<212> PRT
 <213> human

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 <223> Xaa = an amino acid having an acidic side chain.

 <221> VARIANT
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 <223> Xaa = an amino acid having an acidic side chain.

 <221> VARIANT
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 <223> Xaa = an amino acid having an acidic side chain.

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 <223> Xaa = an amino acid having an acidic side chain.

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